Diablo Valley College Mission Statement
Diablo Valley College is passionately committed to student learning through the intellectual, scientific, artistic, psychological, and ethical development of its diverse student body. Diablo Valley College prepares students for transfer to four-year universities; provides career/technical education; supports the economic development of the region; offers pre-collegiate programs; and promotes personal growth and lifelong learning.

Adopted by the Contra Costa Community College District Governing Board on April 29, 2009
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Changes to</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>one</td>
<td>GENERAL INFORMATION</td>
<td>4</td>
</tr>
<tr>
<td>two</td>
<td>COLLEGE POLICIES</td>
<td>14</td>
</tr>
<tr>
<td>three</td>
<td>DEGREES, CERTIFICATES AND TRANSFER INFORMATION</td>
<td>15</td>
</tr>
<tr>
<td>four</td>
<td>PROGRAM AND COURSE DESCRIPTIONS</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Course changes</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>New course</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>New degrees and certificates</td>
<td>19</td>
</tr>
<tr>
<td></td>
<td>Administration of justice</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Anthropology</td>
<td>21</td>
</tr>
<tr>
<td></td>
<td>Art</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>Art history</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Early childhood education</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>English</td>
<td>27</td>
</tr>
<tr>
<td></td>
<td>Geography</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Geology</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Heating, ventilation, air conditioning and refrigeration</td>
<td></td>
</tr>
<tr>
<td></td>
<td>History</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Journalism</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Music</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Physics</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Political science</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Limitations on enrollment</td>
<td></td>
</tr>
</tbody>
</table>
catalog addendum 2013-2014

chapter four

PROGRAM AND COURSE DESCRIPTIONS

NOTE: ALL INFORMATION IN THIS ADDENDUM IS EFFECTIVE FALL 2013 UNLESS OTHERWISE NOTED.

COURSE CHANGES

strikethrough = deletion      underline = addition

ADS-170  Introduction to Codependency and Family Issues
3 units  SC
  • 54 hours lecture per term
  • Recommended: ADS-101/HSCI-127 and eligibility for ENGL-122 or equivalents
This course is an examination of biological, psychological, and sociological issues relevant to family functioning, with a focus on chemically dependent families. Included in this is a close examination of codependency and family system variables, such as family structure, communication, and emotional closeness. CSU

ARCHI-245  Architectural Practice and Working Drawings II
3 units  SC
  • 36 hours lecture/72 hours laboratory per term
  • Recommended: ARCHI-222/244 or equivalent
  • Formerly ARCHI-223
Preparation and interpretation of architectural working drawings and specifications, with emphasis on heavy timber, concrete, masonry, and steel construction. Use of reference material such as local planning ordinances, building codes, architectural graphic standards, and information published by building product manufacturers. CSU

ART-105  Drawing I
3 units  SC
  • 36 hours lecture/72 hours laboratory per term
  • Recommended: Eligibility for ENGL-116/118 or equivalent
An introduction to observational drawing concepts and an exploration of form rendering. Students will learn basic visual problem solving skills while gaining comprehension of perceptual drawing and application of compositional principles. C-ID ARTS-100, CSU, UC

ART-139  Sculpture II
3 units  SC
  • 36 hours lecture/72 hours laboratory per term
  • Recommended: ART-138 or equivalent
This course consists of hands on projects that guide students through processes and principles of three dimensional design. Students develop a conceptual dialogue with the instructor, create a portfolio of sculptural work, and practice advanced techniques for sculpture making. CSU, UC
ART-151  Visual Theory and Practice – Ceramic Art
3 units  SC
- 36 hours lecture/72 hours laboratory per term
- Recommended: Eligibility for ENGL-116/118 or equivalent
This introductory course will expose students to a broad spectrum of ceramic art from diverse cultures including Western/European Art, Asian/Middle Eastern Art, Meso-American Art and African Art with a focus on visual theory, aesthetics, criticism and historical context. Students will develop critical thinking skills through the analysis of cultural and technological constructs that influence the creation of specific genres. In addition, with an emphasis on creative problem solving skills, students will produce original works of ceramic art by reinterpreting the traditions they study in a contemporary context. CSU, UC

ART-161  Photography II
3 units  SC
- 36 hours lecture/72 hours laboratory per term
- Recommended: ART-160 or equivalent
- Note: Students supply their own working roll-film camera with manual exposure controls and a lightmeter (either hand held or built into the camera), a digital image capture device, and a flash drive
An intermediate photography class that enhances students knowledge of materials and techniques used in traditional black and white and digital photography. The course will concentrate on the specific controls of image processing and the multiple characteristics of a variety of photographic materials. Beyond technique, emphasis will be placed on developing concept, editing, and aesthetic considerations relating to image presentation. CSU, UC (credit limits may apply to UC - see counselor)

BUS-294  Business Law
3 units  SC
- 54 hours lecture per term
- Recommended: BUS-109 or equivalent, eligibility for ENGL-122 or equivalent
Provides a general overview of the specific areas of the legal environment that effect individuals and businesses. Major emphasis on contracts, including the Uniform Commercial Code, Article 2. Other subjects studied may include legal history, civil procedure, constitutional law, torts, intellectual property, cyber law, criminal law, international law, labor and employment law, and agency. C-ID BUS 125. CSU, UC

CHEM-106  Chemistry for Non-Science Majors
4 units  SC
- 72 hours lecture/36 hours laboratory per term
- Prerequisite: MATH-090 or MATH-090E or MATH-090SP or one year of high school algebra or equivalent
- Recommended: Eligibility for ENGL-122 or equivalent
- Note: This is not a preparatory course for other chemistry courses
This course is designed to develop scientific literacy for non-science majors and to meet the general education requirement for physical science with laboratory. The course places chemistry concepts in a practical context using qualitative and quantitative examples that are encountered in everyday life. Laboratory exercises include hands-on experiments related to concepts covered in lecture. CSU, UC (credit limits may apply to UC - see counselor)

CHEM-108  Introductory Chemistry
4 units  SC
- 72 hours lecture/36 hours laboratory per term
- Prerequisite: MATH-090 or MATH-090E or MATH-090SP or one year of high school algebra or equivalent
This course is an introduction to the experimental science of chemistry. Using mathematical word problems and chemical terms, the student will have an overview of inorganic chemistry that could be used to continue to general chemistry or to complete the sequence of chemistry courses designed for nursing and dental hygiene (with CHEM-109). This course is appropriate for those that have no high school chemistry experience. CSU, UC (credit limits may apply to UC - see counselor)

COMM-128  Interpersonal Communication
3 units  SC
- 54 hours lecture per term
- Recommended: Eligibility for ENGL-122 or equivalent
- Formerly SPCH-128
This course provides an introduction to the theory, basic principles, and methods of oral communication, with emphasis on improving speaking and listening skills within the context of interpersonal communication. Content will stress psychological, social, cultural, and linguistic factors which affect human interaction. Attention will be given to perception, listening, conflict resolution, relationship development and stages, and verbal and nonverbal communication. C-ID COMM 130. CSU, UC
COMSC-110  Introduction to Programming
4 units SC
• 54 hours lecture/54 hours laboratory per term
• Prerequisite: Placement through the assessment process or MATH-090 or MATH-090E or MATH-090SP or equivalent
• Recommended: COMSC-100 or equivalent
• Note: Credit by examination option available
Introduction to programming emphasizing modular design and development of programs, coding style, documentation, debugging, and testing. All control structures and data types of a commonly used language are covered. CSU, UC

DANCE-212  Ballet I
1 unit SC
• 54 hours laboratory per term
• Recommended: KNDAN-110A or equivalent
• Formerly DANCE-135
This is an intermediate course in ballet dance. It will focus on intermediate ballet barre, center adagio, allegro work, and across the floor combinations. Students will also learn the history of classical ballet works and their influence on the ballet dancer and current ballet styles. CSU, UC

DANCE-216  Pointe Technique
1 unit SC
• 54 hours laboratory per term
• Prerequisite: DANCE-212 or KNDAN-110A or equivalent
• Formerly DANCE-135
This is a course in classical ballet training through the application of pointe technique. The class will focus on line, musicality, sequences, strength and grace as it relates to pointe technique. The historical origins of the pointe shoe, pointe work, conceptual principles of pointe ballet as an art form, and the anatomical structure of the lower extremities are also presented. CSU, UC

DANCE-242  Repertory Dance Production
1.5 units SC
• 74 hours laboratory by arrangement per term
• Recommended: Previous dance experience or equivalent
• Formerly DANCE-244
This is a dance performance class with an emphasis on experiential learning from participation in the planning, staging, rehearsing and performing of a faculty-choreographed dance production. CSU, UC

DANCE-243  Repertory Dance Production - Tech Week
.5 unit SC
• 36 hours laboratory by arrangement per term
• Co-requisite: DANCE-242 or equivalent
This course prepares students for a dance performance with an emphasis on the mastery and presentation of faculty-choreographed compositions presented to a live audience in a professional theater space. CSU, UC

DANCE-247  Dance Production - Tech Week
.5 unit SC
• 36 hours laboratory by arrangement per term
• Co-requisite: DANCE-246 or equivalent
This course prepares students for a dance performance with an emphasis on the mastery and presentation of original student dance compositions presented to a live audience in a professional theater space. CSU, UC

DRAMA-111  Fundamentals of Stage Production - Lighting
3 units SC
• 54 hours lecture per term
Theory and techniques of stage lighting including the function of lighting equipment, the operation of basic dimmer systems, and the creation of light designs for selected plays. C-ID THTR 173, CSU, UC

DRAMA-139  Introduction to Theater
3 units SC
• 54 hours lecture per term
• Recommended: Eligibility for ENGL-122 or equivalent
A comprehensive examination of the multiple disciplines of theater and the collaboration process within. This introductory course surveys the roles of actors, directors, playwrights and designers (set, costume, sound and lighting). It will also cover the origins of theater, history, dramatic structure, the audience and theater performance spaces. C-ID THTR 111, CSU, UC

DRAMA-140  History of the Theater: Pre-Greek to 17th Century
3 units SC
• 54 hours lecture per term
• Recommended: Eligibility for ENGL-122 or equivalent
This course is an historical survey of dramatic art from the period of pre-Greek civilization to the Elizabethan Renaissance. Students will examine the various influences that led to the development and evolution of theater in various cultures and time periods. C-ID THTR 113, CSU, UC

DRAMA-200  Introduction to Technical Theater
3 units SC
• 54 hours lecture per term
• Co-requisite: DRAMA-201 or equivalent
Introduction to technical theater will provide students with a theoretical as well as a practical overview of the elements of technical theater. These would include the following: safety precautions, stage management, stage design, scenery, lighting, sound, acting, make-up, and costuming. Also included will be the discussion of job opportunities in theater. C-ID THTR 171, CSU, UC
DRAMA-201 Technical Theater Laboratory
1-2 units SC
• Variable hours
• Prerequisite: DRAMA-200 or equivalent (may be taken concurrently)
This course will provide students with the practical applications of various aspects of technical theater. Students will obtain hands-on experience working on main stage productions, arena productions, and student-directed projects. They will assist in the following areas: stage management, stage design, scenery construction, painting for the stage, properties, lighting, sound, make-up, and costuming. Students will also learn safety procedures for working in the shop and for working on staged performances. C-ID THTR 192, CSU, UC

DRAMA-202 Fundamentals of Stage Production – Technical Theater
1-2 units SC
• Variable hours
• Prerequisite: Audition and interview
This is an open entry open exit course where students participate in a technical theater capacity in a faculty directed stage production. Technical theater students are introduced to participating in a full length production in a variety of ways; working with sets, sound, lighting, painting, costume, stage management, and props. Students will be introduced to professional rehearsal and performance standards. All projects culminate in public performance. The organization and function of the technical staff, the structure of the physical theater, and job opportunities in technical theater will also be discussed. CSU, UC

DRAMA-275 Musical Theater Production
1-2 units SC
• Variable hours
• Prerequisite: Audition
This is an open entry open exit course where students participate in a faculty directed musical theater stage production, with emphasis on the combination of singing, dancing, and acting. Musical Theater Production will focus on how to use musicality, song, and dance, to embody emotional life for performance on stage in a musical theater production. Students will be introduced to professional rehearsal and performance standards. All projects culminate in public performance. CSU, UC

ENGL-123 Critical Thinking: Composition and Literature
3 units LR
• 54 hours lecture per term
• Prerequisite: ENGL-122 or equivalent
ENGL-123 is a continuation of ENGL-122 emphasizing the study of poetry, fiction, and drama. The course is designed to encourage continued improvement in essay composition through a focus on critical thinking about literary works. The course will increase understanding of the creation of aesthetic meaning and the use of symbolic forms in language and thought; and introduce students to several literary genres in the context of culture. C-ID ENGL 120, CSU, UC

ENGL-126 Critical Thinking: The Shaping of Meaning in Language
3 units LR
• 54 hours lecture per term
• Prerequisite: ENGL-122 or equivalent
This course will focus on the development of logical reasoning, analysis of primarily expository and persuasive texts, and analytical and argumentative writing skills. It is designed to develop critical thinking, reading, and writing skills beyond the level expected in ENGL-122. This course will concentrate on how expository texts make their arguments as demonstrated through higher levels of critical thinking such as analysis, synthesis and evaluation. C-ID ENGL 106, CSU, UC

ENGL-222 Creative Writing
3 units SC
• 54 hours lecture per term
• Prerequisite: Eligibility for ENGL-122 or equivalent
Students will analyze the varied creative writing techniques of selected authors and present original writing for discussion and criticism by the class and the instructor. C-ID ENGL 200, CSU, UC (credit limits may apply to UC – see counselor)

ENGL-223 Short Story Writing
3 units SC
• 54 hours lecture per term
• Prerequisite: Eligibility for ENGL-122 or equivalent
In-depth study of the elements of the short story. Students write original stories for discussion and criticism by both class and instructor. CSU, UC (credit limits may apply to UC – see counselor)

ENGL-224 Poetry Writing
3 units SC
• 54 hours lecture per term
• Prerequisite: Eligibility for ENGL-122 or equivalent
This course is an in-depth study of the elements of poetry. Students write original poems for discussion and criticism by both class and instructor. CSU, UC (credit limits may apply to UC – see counselor)
ENGL-262  Survey of American Literature I (First Contact - 1865)
3 units  SC
• 54 hours lecture per term
• Prerequisite: ENGL-122 or equivalent
This course introduces students to America’s literary traditions and a wide range of writers from the origins and first contact to 1865. Some of the most significant works of American literature may be studied from the American Renaissance; Native American, African American, and Hispanic perspectives; popular culture of the time, the abolitionist movement, and the women’s rights movement. Authors may include Emerson, Boudinot, Melville, Whitman, Poe, Fanny Fern, and Harriet Jacobs. C-ID ENGL 130, CSU, UC

ENGL-272  Early World Literature
3 units  SC
• 54 hours lecture per term
• Recommended: ENGL-122 or equivalent
Reading, presentation, and discussion of representative oral and written literature from cultures around the world from ancient times to the mid-seventeenth century in modern English translations. C-ID ENGL 140, CSU, UC

ENGL-273  Late World Literature
3 units  SC
• 54 hours lecture per term
• Recommended: ENGL-122 or equivalent
Reading, presentation and discussion of representative works of literature from cultures around world from the 17th century to modern times in English translation. C-ID ENGL 145, CSU, UC

GEOG-120  Physical Geography
3 units  SC
• 54 hours lecture per term
• Recommended: MATH 090 or MATH-090E or MATH-090SP or one year of high school algebra or equivalent
A general course to introduce the fundamental principles of physical geography. This course is intended to provide an intelligent understanding of the Earth as the home of human beings and to show the interrelationships found within the physical environment. Quantitative reasoning, development of mathematical concepts and problem solving are emphasized. C-ID GEOG 110, CSU, UC

GEOG-124  Thinking and Communicating Geospatially
3 units  SC
• 54 hours lecture per term
This course is a survey of geographic information technologies including GIS (Geographic Information Systems), GPS (Global Positioning System), RS (Remote Sensing), maps and cartography, mobile and online mapping and an overview of how these technologies are utilized by various agencies, industries, and disciplines for resource management, problem solving, and decision making. CSU, UC

GEOG-125  Introduction to Geographic Information Systems (GIS)
3 units  SC
• 54 hours lecture/18 hours laboratory per term
• Recommended: COMSC-100L or equivalent
An introduction to Geographic Information Systems (GIS) as a tool for spatial analysis. The course will cover GIS concepts, techniques and methodologies. Laboratory activities will be used to reinforce lecture concepts. The course will prepare students for advanced university level courses in spatial analysis or for entry level positions in GIS-related fields. C-ID GEOG 155, CSU

GEOG-130  Cultural Geography
3 units  SC
• 54 hours lecture per term
• Recommended: Eligibility for ENGL-122 or equivalent
The nature and causes of the spatial distribution of human activity. Phenomena such as population, language, religion, popular culture, agricultural practices, political structure, economic organization, settlement patterns, resource exploitation, and technological innovation are examined in order to understand the interactive relationship between human beings and their environment. C-ID GEOG 120, CSU, UC

GEOG-135  World Regional Geography
3 units  SC
• 54 hours lecture per term
A geographic perspective of physical, cultural, political and economic characteristics of countries and regions of the world. A general survey of world place locations, and influences of geographic factors on international cooperation and conflicts. Survey of the transformation of the cultural landscape of the United States. C-ID GEOG 125, CSU, UC
**GEOL-120**  Physical Geology  
3 units  LR  
• 54 hours lecture per term  
• Recommended: MATH-090 or MATH-090E or MATH-090SP or one year of high school algebra and eligibility for ENGL-122 or equivalents  
A general course in geologic science which attempts to encompass nearly all phases of geology. The course is designed to give the student a greater appreciation and deeper understanding of the fundamental processes which have changed and are presently changing the Earth’s crust. The recognition of common minerals, rocks and landscape features of the Earth will be included. Practice in quantitative reasoning and development of mathematical concepts is provided. C-ID GEOL 100, CSU, UC

**GEOL-122**  Physical Geology Laboratory  
1 unit  LR  
• 54 hours laboratory per term  
• Co-requisite: GEOL-120 or-125 or equivalent (may be taken previously)  
• Recommended: MATH-090 or one year of high school algebra or equivalent  
• Note: Field trips may be included in the course  
This course is the laboratory component to Physical Geology (GEOL-120) or Geology of California (GEOL-125). Laboratory work includes the identification of rocks and minerals, topographic and geologic map exercises, internal structure of the earth using cross-sections, earthquakes and tectonic activity, and surficial features of the earth. C-ID GEOL 100L, CSU, UC

**KNACT-100B**  Intermediate Swimming  
.5-2 units  SC  
• Variable hours  
This is an activity course designed to teach intermediate level swimming skills. Emphasis will be on correct swimming technique for all four competitive swim strokes (freestyle, backstroke, breaststroke and butterfly). Instruction will also include techniques of survival floating and the relationship between swimming and overall health and wellness. CSU, UC (credit limits may apply to UC - see counselor)

**KNACT-102B**  Intermediate Aquatic Fitness  
.5-2 units  SC  
• Variable hours  
• Recommended: KNACT-102A or equivalent  
This is an activity course designed to develop an intermediate level of cardiovascular fitness and muscular strength through swimming workouts. All four competitive strokes (freestyle, backstroke, breaststroke and butterfly) will be performed and utilized within both aerobic (long distance) and anaerobic (sprint distance) style fitness programs. Students will improve cardiovascular conditioning, upper and lower body muscular strength and core strength. Students will apply their knowledge of swimming fitness assessment and training principles to the development of a personal swimming fitness program. CSU, UC (credit limits may apply to UC - see counselor)

**KNACT-110C**  Advanced Hatha Yoga  
.5-2 units  SC  
• Variable hours  
This is an advanced level activity course that incorporates Hatha Yoga principles and practices with students’ physical and emotional needs resulting in a more integrated understanding of the benefits of yoga. Various meditation and yoga styles will be studied, practiced and analyzed. CSU, UC (credit limits may apply to UC - see counselor)

**KNACT-114B**  Intermediate Stretch and Yoga for Sports  
.5-2 units  SC  
• Variable hours  
This is a course presenting intermediate principles of stretch technique, yoga asanas, and imagery/relaxation techniques as related to a particular sport or activity. Emphasis is on intermediate level warm-up, flexibility and strengthening exercises and injury prevention. Preliminary flexibility and alignment measurement techniques are also examined. CSU, UC (credit limits may apply to UC - see counselor)

**KNACT-122B**  Intermediate Body Sculpt  
.5-2 units  SC  
• Variable hours  
This is an activity course designed to teach intermediate elements of body sculpt. Body sculpt is guided strength training, core stabilization and balance exercises performed to a specific music cadence. This course is designed to improve muscular strength, muscular endurance, balance, body stabilization and flexibility. Intermediate technique will be emphasized and training elements will be developed. Fitness assessments will be performed and nutritional/wellness topics will also be discussed. CSU, UC (credit limits may apply to UC - see counselor)

**KNACT-124B**  Intermediate Hips, Thighs and Abs  
.5-2 units  SC  
• Variable hours  
This is an activity course emphasizing an intermediate level of toning and strengthening of the hip, thigh, and abdominal areas. Range of motion of all joints will increase as a result of flexibility movements. A more advanced level of muscle tone and introductory knowledge of anatomy will be included. Various conditioning techniques modalities will be utilized including, but not limited to, running, bender balls, stability balls and Pilates rings. CSU, UC (credit limits may apply to UC - see counselor)

*strike* = deletion  
*underline* = addition
KNACT-128B  Intermediate Cardio Kickboxing  
.5-2 units  SC  
- Variable hours  
- Note: Ability to participate in vigorous activity is recommended  
This is an activity course that combines intermediate skills and technique from boxing, self defense and various forms of martial arts, such as, Karate and Muay Tai to promote a fun, yet effective and challenging aerobic workout. Jump rope and running will be primary cardiovascular activities. Flexibility, strength training, focus mitt training and muscular endurance activities may also be incorporated. CSU, UC (credit limits may apply to UC - see counselor).

KNACT-130B  Intermediate Fitness Walking  
.5-2 units  SC  
- Variable hours  
This is an activity course intended for students of intermediate fitness levels who would like to utilize walking as a fitness enhancing activity. Intermediate technique will be emphasized and intermediate walking programs will be developed. Walking routes begin on campus and explore a multitude of nearby parks and trails. Topics to be discussed include: fitness and health assessment, equipment and safety, walking techniques, motivation, nutrition basics, program design, evaluation, Volkssporting and Volksmarching. CSU, UC (credit limits may apply to UC - see counselor).

KNACT-134B  Intermediate Fitness Jogging  
.5-2 units  SC  
- Variable hours  
This is an activity course which is designed to teach intermediate concepts and elements of jogging, including form and technique. The sport of running, as well as safety and nutrition information as it relates to jogging/running will also be discussed. CSU, UC (credit limits may apply to UC - see counselor).

KNACT-144B  Intermediate Super Circuit  
.5-2 units  SC  
- Variable hours  
This is an activity course designed to teach the intermediate elements of cardiovascular fitness, muscular strength, muscular endurance, and flexibility in a unique and simultaneous combination of aerobic and resistance training exercises in one seamless total fitness workout. Individual health and fitness assessments will be conducted during the semester. Nutrition and other wellness topics will also be included. CSU, UC (credit limits may apply to UC - see counselor).

KNACT-146B  Theory and Practice of Strength Training and Fitness II  
.5-2 units  SC  
- Variable hours  
This is an activity course designed to increase muscular strength, muscular endurance, and fitness utilizing beginning level plate-loaded apparatus, free weights, selectorized weight machines, treadmills, stationary bikes, elipticals, and stairmasters. CSU, UC (credit limits may apply to UC - see counselor).

KNACT-146C  Theory and Practice of Strength Training and Fitness III  
.5-2 units  SC  
- Variable hours  
This is an activity course designed to increase muscular strength, muscular endurance, and fitness utilizing introductory plate-loaded apparatus, free weights, selectorized weight machines, treadmills, stationary bikes, elipticals, and stairmasters. Information about periodization program design will be presented. CSU, UC (credit limits may apply to UC - see counselor).

KNACT-146D  Theory and Practice of Strength Training and Fitness IV  
.5-2 units  SC  
- Variable hours  
This is an activity course designed to increase muscular strength, muscular endurance, and fitness utilizing introductory plate-loaded apparatus, free weights, selectorized weight machines, treadmills, stationary bikes, elipticals, and stairmasters. Information regarding biomechanics and its implications for strength training will be presented. CSU, UC (credit limits may apply to UC - see counselor).

KNACT-148B  Intermediate Power Lifting  
.5-2 units  SC  
- Variable hours  
This is an activity course designed to teach intermediate elements of power lifting. Intermediate technique will be emphasized and more advanced training programs will be developed. The sport of power lifting, as well as safety and nutrition information as it relates to power lifting, will also be discussed. CSU, UC (credit limits may apply to UC - see counselor).
KNACT-160B  Intermediate Badminton  
.5-2 units SC  
  • Variable hours  
This is an activity course involving intermediate badminton techniques and strategies. This course focuses on the history, rules, etiquette, equipment, and scoring system of badminton. In addition, students will develop intermediate stroke techniques, footwork skills, and knowledge of singles and doubles strategies. Offensive and defensive positions and intermediate team strategies will be addressed. CSU, UC (credit limits may apply to UC - see counselor)

KNACT-170B  Intermediate Basketball  
.5-2 units SC  
  • Variable hours  
This is an activity course in basketball with an emphasis on intermediate level techniques, rules of the full court game and cardiovascular conditioning. CSU, UC (credit limits may apply to UC - see counselor)

KNACT-176B  Intermediate Soccer  
.5-2 units SC  
  • Variable hours  
This is an activity course involving intermediate level skills and strategies of soccer. This course focuses on an intermediate level of application of the rules, etiquette, safety, and soccer skills, such as dribbling, passing, shooting and defending. Offensive and defensive team strategies and positioning are also addressed. CSU, UC (credit limits may apply to UC - see counselor)

KNACT-182C  Advanced Volleyball  
.5-2 units SC  
  • Variable hours  
This is an activity course that offers advanced volleyball students opportunities to analyze, evaluate and perform complex techniques. In addition, students will utilize advanced tactical drills and exercises in the development of game strategies. CSU, UC (credit limits may apply to UC - see counselor)

KNACT-195B  Intermediate Plyometrics and Agility Training for Female Athletes  
.25-1 unit SC  
  • Variable hours  
  • Note: This course is open to all students  
This is an activity course involving intermediate level plyometric and agility training for the female athlete. The course is designed to further develop neuromuscular control thereby enhancing sport-specific performance and minimizing the potential for injury. Intermediate training will include more complex plyometric techniques, agility drills, flexibility exercises and core strengthening techniques. Further evaluation of health and nutritional issues specific to the female athlete will also be addressed. CSU, UC (credit limits may apply to UC - see counselor)

KNACT-126A  Beginning Aikido  
.5-2 units SC  
  • Variable hours  
  • Formerly PECMB-114  
This is an activity course involving the history, philosophy, techniques and safety aspects of aikido. This is a Japanese warrior art involving a noncompetitive, non-fighting discipline, that is comprised purely of defensive techniques and principles of movement. Students will learn fundamental aikido techniques, as well as increase cardiovascular and muscular fitness. CSU, UC (credit limits may apply to UC - see counselor)

KNCMB-126A  Beginning Aikido  
.5-2 units SC  
  • Variable hours  
This is an activity course involving the history, philosophy, techniques and safety aspects of aikido. This is a Japanese warrior art involving a noncompetitive, non-fighting discipline, that is comprised purely of defensive techniques and principles of movement. Students will learn fundamental aikido techniques, as well as increase cardiovascular and muscular fitness. CSU, UC (credit limits may apply to UC - see counselor)

KNDAN-105B  Intermediate Pilates Mat Work  
.5-2 units SC  
  • Variable hours  
This is an activity course introducing intermediate mat exercises developed by Joseph Pilates focusing on intrinsic muscle groups. The class addresses individual needs, body alignment, and core strength development, with emphasis placed on back and abdominal strengthening as it relates to intermediate level exercises. CSU, UC (credit limits may apply to UC - see counselor)

KNDAN-110B  Ballet Fundamentals II  
.5-2 units SC  
  • Variable hours  
This is a beginning class in classical ballet technique. The class will focus on beginning barre, beginning center adagio and allegro work and beginning ballet movement combinations in the center. The course also includes history of ballet and principles as a contemporary art form. CSU, UC

KNDAN-120B  Jazz Dance Fundamentals II  
.5-2 units SC  
  • Variable hours  
This is a beginning course in jazz dance technique. The class will focus on proper jazz dance alignment, isolations and beginning jazz dance choreography. The class includes the evolution of jazz dance from African and Haitian dance to contemporary jazz dance technique. CSU, UC

KNDAN-130B  Modern Dance Fundamentals II  
.5-2 units SC  
  • Variable hours  
This is a course in beginning modern dance technique. This class will focus on beginning modern dance alignment, center work, and modern dance movements across the floor. The course will also include discussion regarding the current events that shape the history of modern dance in America and in Europe. CSU, UC
KNICA-120 Analysis of the Multiple Aspects of Modern Day Football
.5-2 units SC
• May be repeated once
• Variable hours
• Recommended: Competitive high school football experience or equivalent
• Formerly PETH-187
This course provides students the opportunity to review and analyze offensive and defensive schemes of daily practice video and opponent game film. Implement and install weekly game plans on offense, defense, and special teams (kicking game). CSU, UC (credit limits may apply to UC - see counselor)

KINES-223 Practical Experience in Sport and Recreation Management II
2 units SC
• 36 hours lecture/108 hours laboratory by arrangement per term
• Prerequisite: KINES-216 or equivalent
• Formerly PETH-217
This is an internship course that continues to enhance students’ skills and practical experiences within the field of sport and recreation management. Students will participate in creating and implementing projects within the Diablo Valley College Physical Education, Kinesiology, and Athletics Departments. Topics for projects include, but are not limited to, marketing, game management, website management, sports information, fundraising, and/or scheduling. CSU, UC (credit limits may apply to UC - see counselor)

KINES-242 Exercise Techniques and Physical Fitness Testing
1 unit SC
• 54 hours laboratory per term
• Recommended: KINES-240 or equivalent (may be taken concurrently)
• Formerly PETH-282
This course is a companion laboratory course to KINES-240. It will teach students how to instruct others in the proper techniques of strength training and conditioning exercises. It will also teach students how to assemble and conduct testing programs to determine fitness levels and evaluate progress in exercise programs. This knowledge will assist students who plan to sit for a national personal training examination. CSU, UC (credit limits may apply to UC - see counselor)

MATH-114 Geometry
3 units SC
• 54 hours lecture per term
• Prerequisite: Placement through the assessment process or MATH-090 or MATH-090E or MATH-090SP or equivalent
• Recommended: Eligibility for ENGL-116/118 or equivalent
Students will use geometric definitions, axioms, and constructions and both inductive and deductive reasoning techniques to investigate the properties of lines, polygons, and circles. Students will prove geometric theorems, and derive and apply formulas for perimeter, area, and volume for a variety of plane and solid geometric objects.

MATH-120 Intermediate Algebra
5 units SC
• 90 hours lecture per term
• Prerequisite: Placement through the assessment process or MATH-090 or MATH-090E or MATH-090SP or equivalent
This course will expand upon the material covered in elementary algebra. Topics will include special products and factors, fractional equations, systems of linear equations, inequalities, conics, complex numbers, the binomial theorem, logarithms, and functions. The course is equivalent to a second year high school algebra course.

MATH-120SP Intermediate Algebra - Self Paced
5 units SC
• 270 hours laboratory per term
• Prerequisite: Placement through the assessment process or MATH-090 or MATH-090E or MATH-090SP or equivalent
• Note: In this computer-assisted, flexibly-paced class, students will utilize an online learning system for their initial instruction, as well as receive assistance during weekly face-to-face meetings. Students will have some flexibility on how much time they take to learn topics and when they take assessments, though minimum requirements and deadlines will apply. The online laboratories require computer access and may be completed either on or off campus. The face-to-face meetings will be held in the DVC Math Lab (for lab schedule go to www.dvc.edu/PHCMathLab for Pleasant Hill or www.dvc.edu/SRCMathlab for SRC). Students are encouraged to complete MATH-120SP in one semester, or take up to 2 semesters. MATH-120SP is equivalent to MATH-120; students who have completed MATH-120 will not receive credit for MATH-120SP.
This course is a computer-assisted flexibly-paced class equivalent to MATH-120. The topics include special products and factors, fractional equations, systems of linear equations, inequalities, conics, complex numbers, the binomial theorem, logarithms, and functions. The course is equivalent to a second year high school algebra course.
MATH-144 Statway II
4 units LR
- 54 hours lecture/54 hours laboratory per term
- Prerequisite: MATH-094 or equivalent
- Note: TI-83 or TI-84 graphing calculator required
This is the second semester of a two-semester course that introduces the concepts of probability and statistics with requisite arithmetic and algebraic topics integrated throughout. It is intended for students in humanities or social sciences majors. Topics include sampling distributions, the Central Limit theorem, confidence intervals and hypothesis testing for means and proportions, chi square tests and mathematical modeling. Learning strategies for success with an emphasis on study skills, resource acquisition, and maintaining a positive perspective towards learning are also discussed and applied. CSU

MUSIC-122 Theory and Musicianship I
4 units SC
- 108 hours lecture per term
- Note: Credit by examination option available
This course is a study of the fundamentals of Western music applicable to both classical and popular styles. The study addresses notation; fundamental theoretical concepts; musicianship skills including sight signing, rhythmic training, ear training, dictation, and keyboard realization; and basic compositional skills. C-ID MUS 125, CSU, UC

MUSIC-123 Theory and Musicianship II
4 units SC
- 108 hours lecture per term
- Recommended: MUSIC-122 or equivalent
- Note: Credit by examination option available
This course is a study of harmony in the Western Common Practice. It addresses diatonic functionality, four-part voice leading, simple musical structures, harmonic and formal analysis, and musicianship skills including sight singing, rhythmic training, ear training, dictation, and keyboard realization. C-ID MUS 130, MUS 135, CSU, UC

MUSIC-179 Intermediate Applied Voice
1 unit SC
- 54 hours lecture per term
This course is a continued study of the fundamentals of vocal tone production, breathing, and vocal placement. Emphasis will be placed on song interpretation and vocal pedagogy. CSU, UC

MUSIC-222 Theory and Musicianship III
4 units SC
- 108 hours lecture per term
- Recommended: MUSIC-123 or equivalent
This course is a study of harmony in the Western Common Practice. It addresses sequences, melodic and rhythmic figuration, leading-tone 7th chords, mixture, applied dominants and modulation, four-part voice leading, large formal structures, harmonic and formal analysis, and musicianship skills including sight singing, rhythmic training, ear training, dictation, and keyboard realization. C-ID MUS 140, MUS 145, CSU, UC

MUSIC-223 Theory and Musicianship IV
4 units SC
- 108 hours lecture per term
- Recommended: MUSIC-222 or equivalent
This course is a study of chromatic harmony, 20th century harmonic practices, large musical structures, harmonic, structural, and stylistic analysis, and musicianship skills including sight singing, rhythmic training, ear training, dictation, and keyboard realization of chromatic and 20th century materials. C-ID MUS 150, MUS 155, CSU, UC

PHYS-112 Fundamentals of Physical Science
3 units SC
- 54 hours lecture per term
- Prerequisite: MATH-090 or MATH-090E or MATH-090SP (may be taken concurrently) or equivalent
- Recommended: Eligibility for ENGL-122 or equivalent
An overview of the physical sciences of astronomy, physics, chemistry and earth science. The principles developed will be used to explain our present day knowledge of the universe and our physical environment. CSU, UC (credit limits may apply to UC - see counselor)

PHYS-130 Physics for Engineers and Scientists A: Mechanics and Wave Motion
4 units LR
- 90 hours lecture/36 hours laboratory per term
- Co-requisite: MATH-193 (may be taken previously) or equivalent
- Recommended: PHYS-129 or equivalent; eligibility for ENGL-122 or equivalent
- Note: For those students who have not recently completed a full year of high school physics, the Physics Department strongly recommends completion of PHYS-129 before enrolling in PHYS-130
Designed for engineering and physical science majors (such as physics, chemistry, and geology), this course is a lecture and laboratory study of classical mechanics: vectors, particle kinematics, Newton’s laws, equilibrium of rigid bodies, work and energy, gravitation, fluids, momentum, rotational kinematics and dynamics, and oscillations and waves in elastic media. C-ID PHYS 205, CSU, UC (credit limits may apply to UC - see counselor)
PHYS-230  Physics for Engineers and Scientists B:  
Heat and Electro-Magnetism  
4 units LR  
• 90 hours lecture/36 hours laboratory per term  
• Prerequisite: PHYS-130 or equivalent; MATH-292 (may be taken concurrently) or equivalent  
• Recommended: Eligibility for ENGL-122 or equivalent  
Designed for engineering and physical science majors (such as physics, chemistry, and geology), this course is a continuation of PHYS-130. It is a lecture and laboratory study of thermodynamics, electricity, and magnetism. Topics included are temperature, heat and the first and second laws of thermodynamics, kinetic theory of gases, electric field and electric potential of static charges, magnetic field of moving charges, current, voltage, resistance, capacitance, induced electric fields, Maxwell's equations and plane electromagnetic waves. C-ID PHYS 210, CSU, UC (credit limits may apply to UC - see counselor)

PHYS-231  Physics for Engineers and Scientists C:  
Optics and Modern Physics  
4 units LR  
• 90 hours lecture/36 hours laboratory per term  
• Prerequisite: PHYS-230 and MATH-294 or equivalents (may be taken concurrently) 
• Recommended: Eligibility for ENGL-122 or equivalent  
Designed for engineering, physics and chemistry majors; this course is a continuation of PHYS-130 and 230. It is a lecture and laboratory study of optics and modern physics. Topics included are light as an electromagnetic wave: geometric and wave optics, special relativity, quantum physics, atomic and molecular physics, condensed matter physics, and nuclear physics. C-ID PHYS 215, CSU, UC (credit limits may apply to UC - see counselor)

PSYCH-101  Introduction to Psychology  
3 units SC  
• 54 hours lecture per term  
• Recommended: Eligibility for ENGL-122 or equivalent  
• Formerly PSYCH-210  
PSYCH-101 is a study of the major theories, methods and concepts of modern psychology. The orientation of the course is the scientific study of behavior and mental processes, and covers such areas as: the history and systems of psychology, the biological foundations of behavior, perception, states of consciousness, learning, memory, motivation, emotion, human development, personality, stress and health, abnormal psychology, therapies, and social psychology. C-ID PSY 110, CSU, UC

PSYCH-130  Emotions, Learning and the Brain  
3 units SC  
• 54 hours lecture per term  
• Recommended: Eligibility for ENGL-122 or equivalent  
This course examines the psychology of emotions, learning, and social behavior. The relationship between brain and environment is used to provide an understanding of motor, visual, and conceptual development; processes of emotion and learning; and learning disabilities of children and adults. Research and theory will be examined for practical application. C-ID PSY 150, CSU, UC

PSYCH-225  Social Psychology  
3 units SC  
• 54 hours lecture per term  
• Recommended: Eligibility for ENGL-122 or equivalent  
Social psychology is the scientific study of the way people think, feel, and behave in social situations. This course is an introduction to the perspectives, research methods, and empirical findings in social psychology. Topics include how people influence each other, the power of social situations, developing critical and integrative ways of thinking about theory and research, and the application of social psychological theories to everyday life experiences. C-ID PSY 170, CSU, UC

NEW COURSE

CULN-193  Inventory and Ordering Systems  
Laboratory  
3 unit LR  
• 18 hours laboratory by arrangement per term  
• Prerequisite: CULN-153 or equivalent  
• Corequisite: CULN-192 or equivalent  
• Note: Culinary and food service students must have a current record of satisfactory tuberculosis (TB) screening on file with the culinary offices by the beginning of classes. Students are required to supply their own equipment and uniforms depending on the class. See instructor at the first class meeting.  
In this course, students will learn to order food products for a commercial enterprise, analyze inventory, and utilize specifications, proper pack size, and par levels as needed. CSU
NEW DEGREES AND CERTIFICATES

strikethrough = deletion   underline = addition

ADMINISTRATION OF JUSTICE – ADJUS

Associate in science degree
Administration of justice

Associate in science for transfer
Administration of justice

Certificate of achievement
Administration of justice

Certificates of accomplishment
Administration of justice - Community relations specialist
Administration of justice - Correctional specialist
Administration of justice - Crime scene investigator
Administration of justice - Criminal law specialist
Administration of justice - Juvenile counseling
Administration of justice - Patrol specialist

Associate in science in administration of justice for transfer
A DVC administration of justice student who has earned the associate in science in administration of justice for transfer (AS-T) will be granted priority admission to the CSU into a similar baccalaureate (BA) degree program as long as the student meets all prescribed admission requirements.

The associate in science in administration of justice for transfer is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:
• Complete 60 semester CSU-transferable units.
• Complete the California State University-General Education Breadth pattern (CSU GE-Breadth); OR
the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
• Complete a minimum of 18 semester units in the major:
• Obtain a minimum grade point average (GPA) of 2.0.
• Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate’s degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

major requirements:
ADJUS-120 Introduction to the Administration of Justice ...... 3
ADJUS-121 Criminal Law ............................................. 3

plus at least 6 units from:
ADJUS-122 Criminal Procedure ...................................... 3
ADJUS-124 Elements of Corrections ................................ 3
ADJUS-130 Cultural Diversity in Criminal Justice ............ 3
ADJUS-203 Physical Evidence and The Crime Laboratory .... 4
ADJUS-221 Criminal Evidence ...................................... 3
ADJUS-222 Criminal Investigation ................................... 3
ADJUS-230 Juvenile Procedures ..................................... 3

plus at least 6 units from:
POLSC-121 Introduction to United States Government ...... 3
PSYCH-101 Introduction to Psychology ............................ 3
SOCIO-120 Introduction to Sociology ............................. 3
BUS-240 Business Statistics ......................................... 3
OR
MATH-142 Elementary Statistics with Probability ............ 4

total minimum required units 18-20

ANTHROPOLOGY – ANTHR

Associate in arts for transfer
Anthropology

Associate in arts in anthropology for transfer
The anthropology program at Diablo Valley College offers students the opportunity to study humankind from the broadest biological, historical, and geographical perspectives. Anthropology is a multidisciplinary and yet holistic way to study all aspects of humanity, from biological origins to ways of social behavior, past and present. Anthropology presents to the student a world view that is personally enriching as well as practical. Courses in the program offer knowledge of social and cultural aspects of behavior, as well as the biological nature of humans. Courses included in the anthropol-
ogy major are intended to give a general understanding of human biology, ecology, evolution, prehistory, and the nature of human cultures.

This curriculum is designed to provide an opportunity for the anthropology major to achieve an associate in arts degree while completing the requirements for transfer to a California State University (CSU) or other four-year college or university to earn a bachelor’s degree in anthropology. A baccalaureate degree is recommended preparation for those considering professional careers in anthropology. Completion of this curriculum will demonstrate commitment to the field and provide comprehensive preparation for upper-division work.

The associate in arts in anthropology for transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major or area of emphasis. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate’s degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

**major requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHR-125</td>
<td>Introduction to Archaeology and Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR-130</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR-140</td>
<td>Biological Anthropology</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus at least 3 units from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHR-120</td>
<td>Magic, Witchcraft, and Religion in the Americas</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR-135</td>
<td>Native Americans</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR-141L</td>
<td>Biological Anthropology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GEOG-120</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
</tbody>
</table>

**or at least 3 units from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-142</td>
<td>Elementary Statistics with Probability</td>
<td>4</td>
</tr>
<tr>
<td>BUS-240</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus at least 3 units from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOSC-139</td>
<td>Human Anatomy</td>
<td>5</td>
</tr>
<tr>
<td>GEOG-125</td>
<td>Introduction to Geographic Information</td>
<td>3</td>
</tr>
<tr>
<td>GEOG-120</td>
<td>Introduction to Archaeological Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEOI-122</td>
<td>Physical Geography</td>
<td>1</td>
</tr>
<tr>
<td>PSYCH-215</td>
<td>Introduction to Research Methods in Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus at least 3 units from:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHR-115</td>
<td>Primate Evolution and Adaptation</td>
<td>3</td>
</tr>
<tr>
<td>ANTHR-126</td>
<td>Introduction to Archaeological Field Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEOG-130</td>
<td>Cultural Geography</td>
<td>3</td>
</tr>
<tr>
<td>MUSC-114</td>
<td>World Music</td>
<td>3</td>
</tr>
<tr>
<td>SOCIO-120</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

**total minimum required units**

18-21

**ART – ART**

**Associate in arts degree**

Fine arts

**Associate in arts for transfer**

Studio arts

**Certificates of achievement**

Ceramics

Painting and drawing

Printmaking

**Associate in arts in studio arts for transfer**

The associate in arts in studio arts for transfer offers students a curricular program for studying a variety of beginning courses within the field of art practice. The student with associate in arts in studio arts for transfer is prepared for upper division work in the major at four-year institutions. The curriculum develops a student’s critical thinking skills, hones problem-solving skills, and establishes visual literacy.

strikethrough = deletion  underline = addition
The associate in arts in studio arts for transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate’s degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

**major requirements:**

- **ART-101** Fundamentals of Two-Dimensional Design........ 3
- **ART-102** Fundamentals of Three-Dimensional Design..... 3
- **ART-105** Drawing................................................. 3
- **ARTHS-196** History of Medieval and Renaissance Art..... 3
- **ARTHS-197** History of Baroque to Early 20th Century Art.. 3

**plus at least 3 units from:**

- **ARTHS-193** History of Asian Art........................................ 3
- **ARTHS-195** History of Prehistoric and Ancient Art........ 3
- **ARTHS-198** Contemporary Art History.......................... 3

**plus at least 9 units from:**

**drawing**

- **ART-106** Drawing II................................................. 3
- **ART-107** Figure Drawing I............................................ 3
- **ART-108** Figure Drawing II.......................................... 3

**painting**

- **ART-126** Painting I: Introduction to Painting............... 3
- **ART-127** Painting II: Intermediate Painting............... 3

**printmaking**

- **ART-109** Printmaking: Monotype................................. 3
- **ART-110** Introduction to Printmaking.......................... 3
- **ART-111** Printmaking: Etching I......................... 3

**ceramics**

- **ART-152** Wheel-Thrown Ceramic Art.......................... 3
- **ART-153** Hand-Built Ceramic Art............................... 3
- **ART-154** Wheel-Thrown Ceramic Art II......................... 3
- **ART-155** The Art of Ceramic Sculpture.......................... 3
- **ART-156** Figurative Ceramic Art.............................. 3

**sculpture**

- **ART-138** Sculpture I................................................. 3
- **ART-142** Metal Art I................................................. 3
- **ART-143** Metal Art II................................................. 3

**digital Art**

- **ARTDM-112** Digital Imaging for the Artist................ 3

**photography**

- **ART-160** Photography I.............................................. 3
- **ART-161** Photography II......................................... 3

**applied design**

- **ART-146** Metalsmithing and Jewelry I........................ 3
- **ART-147** Metalsmithing and Jewelry II......................... 3

**other media**

- **ARTDM-224** Typography............................................. 3

**total units for the major** 27

---

**ART HISTORY– ARTHS**

**Associate in arts for transfer**

**Art history**

**Associate in arts in art history for transfer**

The associate in arts in art history for transfer offers students a curricular program for studying a variety of beginning courses within the field of art history. The art history major is a two-year degree program of transferable courses open to all students. The program requirements are designed for those interested in art history as preparation for transfer. The program is broadly constructed both to prepare students for advanced study in the history of art and to provide a basis for many other fields that require the ability to do independent research, evaluate evidence (visual and textual), and create a coherent argument.

The major has required components of Western art history, non-Western art, and fundamentals of drawing and design. The studio practice courses are common components of art history degrees, and are necessary to an understanding of the fundamentals of art making, which informs theory and
critique. Students also select related electives. Foreign language preparation is recommended as many baccalaureate degrees and most post-baccalaureate programs require proficiency in at least one foreign language.

Fine arts faculty and staff are dedicated to assisting students in exploring job opportunities, internships, and transferring to four-year institutions of higher learning. Students interested in the major must contact DVC counselors and art faculty about program requirements and transferability to specific institutions. The student with an associate in arts in art history for transfer is prepared for upper division work in the major or related fields (humanities, interdisciplinary studies, visual studies) at four-year institutions. The major is available at UC and CSU systems, the San Francisco Art Institute, the California College of Art, and at other colleges of art and schools of design. Career opportunities include: art or art history teacher, art conservator, museum curator, art journalist, and other related professions. Career opportunities are also available in galleries, museums, and art organizations. Some career fields will require post-baccalaureate preparation. Students also receive a broad-based liberal arts education that is strong in critical thinking skills, which prepares them for a range of professions.

The associate in arts in art history for transfer is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth) OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate's degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

**major requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART-105</td>
<td>Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ARTHS-193</td>
<td>History of Asian Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTHS-195</td>
<td>History of Prehistoric and Ancient Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTHS-196</td>
<td>History of Medieval and Renaissance Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTHS-197</td>
<td>History of Baroque to Early 20th Century Art</td>
<td>3</td>
</tr>
</tbody>
</table>

plus at least 3 units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART-101</td>
<td>Fundamentals of Two-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART-102</td>
<td>Fundamentals of Three-Dimensional Design</td>
<td>3</td>
</tr>
<tr>
<td>ART-107</td>
<td>Figurine Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART-138</td>
<td>Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART-142</td>
<td>Metal Art I</td>
<td>3</td>
</tr>
<tr>
<td>ART-152</td>
<td>Wheel Thrown Ceramic Art</td>
<td>3</td>
</tr>
<tr>
<td>ART-160</td>
<td>Photography</td>
<td>3</td>
</tr>
<tr>
<td>ARTDM-112</td>
<td>Digital Imaging for the Artist</td>
<td>3</td>
</tr>
</tbody>
</table>

plus at least 3 units from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTHS-199</td>
<td>Contemporary Art History</td>
<td>3</td>
</tr>
<tr>
<td>ENGL-176</td>
<td>The Graphic Novel as Literature</td>
<td>3</td>
</tr>
<tr>
<td>FRENCH-121</td>
<td>Second Term French</td>
<td>5</td>
</tr>
<tr>
<td>FRENCH-200</td>
<td>Third Term French</td>
<td>5</td>
</tr>
<tr>
<td>FRENCH-220</td>
<td>Fourth Term French</td>
<td>5</td>
</tr>
<tr>
<td>FRENCH-230</td>
<td>Fifth Term French</td>
<td>3</td>
</tr>
<tr>
<td>FRENCH-231</td>
<td>Sixth Term French</td>
<td>3</td>
</tr>
<tr>
<td>GRMAN-121</td>
<td>Second Term German</td>
<td>5</td>
</tr>
<tr>
<td>GRMAN-220</td>
<td>Third Term German</td>
<td>5</td>
</tr>
<tr>
<td>GRMAN-221</td>
<td>Fourth Term German</td>
<td>5</td>
</tr>
<tr>
<td>GRMAN-230</td>
<td>Fifth Term German</td>
<td>3</td>
</tr>
<tr>
<td>GRMAN-231</td>
<td>Sixth Term German</td>
<td>3</td>
</tr>
<tr>
<td>HUMAN-110</td>
<td>Introduction to Humanities: Ancient Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HUMAN-111</td>
<td>The Middle Ages and Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>HUMAN-112</td>
<td>Introduction to Humanities: The Modern World</td>
<td>3</td>
</tr>
<tr>
<td>HUMAN-115</td>
<td>Introduction to Humanities: The American Cultural Experience</td>
<td>3</td>
</tr>
<tr>
<td>HUMAN-116</td>
<td>The Arts and Culture of Asia</td>
<td>3</td>
</tr>
<tr>
<td>ITAL-121</td>
<td>Second Term Italian</td>
<td>5</td>
</tr>
<tr>
<td>ITAL-220</td>
<td>Third Term Italian</td>
<td>5</td>
</tr>
<tr>
<td>ITAL-221</td>
<td>Fourth Term Italian</td>
<td>5</td>
</tr>
<tr>
<td>ITAL-230</td>
<td>Fifth Term Italian</td>
<td>3</td>
</tr>
<tr>
<td>ITAL-231</td>
<td>Sixth Term Italian</td>
<td>3</td>
</tr>
</tbody>
</table>

**total minimum required units** 21-23
EARLY CHILDHOOD EDUCATION – ECE

**Associate in science degree**
Early childhood education

**Associate in science for transfer**
Early childhood education

**Certificates of achievement**
Early childhood education - Basic
Early childhood education - Master teacher
Early childhood education - Site supervisor
Early childhood education - Teacher

**Certificates of accomplishment**
Early childhood education - Associate teacher

**Associate in science in early childhood education for transfer**
The associate in science in early childhood education for transfer is a 60 unit degree program designed to prepare students to transfer and study child development, human development, and early childhood education. Students will be prepared to take upper division courses their first semester after transferring. Typically, students who complete this program will be able to complete their upper division coursework in only two additional years. In addition to preparation for transfer, this degree also prepares students for various careers working directly with children, families, and other adults in the early childhood profession. Upon completion of this program, students will be eligible to apply for the Teacher Level Permit on the Child Development Permit Matrix from the State of California Commission on Teacher Credentialing. Students will complete lower division courses in child growth and development, principles and practices in early childhood education, curriculum, observation, assessment, child/family/community relationships, diversity, health and safety, and a culminating student practicum.

The associate in science in early childhood education for transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 40 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate’s degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

**major requirements**
- ECE-123 Introduction to Curriculum in Early Childhood Education ................................................................. 3
- ECE-124 Child Development and Psychology ........................................................................................................ 3
- ECE-125 Principles and Practices of Early Childhood Education ............................................................................. 3
- ECE-126 Health, Safety, and Nutrition of the Young Child ....................................................................................... 3
- ECE-130 Child, Family, and Community .................................................................................................................. 3
- ECE-144 Diversity in Early Childhood Education .................................................................................................. 3
- ECE-249 Observation and Assessment in the Classroom ........................................................................................... 4
- ECE-250 Practicum in Early Childhood Education ................................................................................................ 4

**total minimum required units** 26

---

**ENGLISH – ENGL**

**Associate in arts degree**
English

**Associate in arts for transfer**
English

**Associate in arts in English for transfer**
The English major at Diablo Valley College (DVC) offers students the opportunity to prepare for a broad range of professions through the study of language, literature, and composition, as well as the opportunity to transfer to UC, CSU, and other four year colleges and universities to earn a bachelor’s degree. The English major curriculum at DVC hones a student’s critical thinking, reasoning, and communication skills as it also prepares students pursuing careers in law, government, business, entertainment (film, television, and theater), advertising, writing, editing, and education.
The associate in arts in English for transfer is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate’s degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

**major requirements**

| ENGL-123 | Critical Thinking: Composition and Literature | 3 |
| ENGL-126 | Critical Thinking: The Shaping of Meaning in Language | 3 |

**plus at least 6 units from:**

| ENGL-232 | Early English Literature | 3 |
| ENGL-233 | Survey of Late English Literature | 3 |
| ENGL-262 | Survey of American Literature I (First Contact-1865) | 3 |
| ENGL-263 | Survey of American Literature | 3 |
| ENGL-272 | Early World Literature | 3 |
| ENGL-273 | Late World Literature | 3 |

**plus at least 3 units from:**

**any course not used in either group above, or:**

| ENGL-124 | The Nature of Language: An Introduction to Linguistics | 3 |
| ENGL-150 | Introduction to Literature | 3 |
| ENGL-151 | The Short Story | 3 |
| ENGL-154 | Shakespeare and His World | 3 |
| ENGL-162 | Language, Literature and Culture | 3 |
| ENGL-163 | Asian American Literature | 3 |
| ENGL-164 | Native American Literatures | 3 |

| ENGL-166 | African American Literature | 3 |
| ENGL-167 | Latin American Literature | 3 |
| ENGL-168 | The Literatures of America | 3 |
| ENGL-170 | World Mythology | 3 |
| ENGL-172 | The Bible as Literature | 3 |
| ENGL-173 | Introduction to Gay and Lesbian Multicultural Voices in Literature | 3 |
| ENGL-175 | Science Fiction and Fantasy Literature | 3 |
| ENGL-177 | Children’s Literature | 3 |
| ENGL-222 | Creative Writing | 3 |
| ENGL-223 | Short Story Writing | 3 |
| ENGL-224 | Poetry Writing | 3 |
| ENGL-225 | Writing about Cultural Identity in America | 3 |

**GEOGRAPHY – GEOG**

**Associate in arts degree**

Social/cultural geography

**Associate in arts for transfer**

Geography

**Associate in science degrees**

Geographic information systems/Global positioning system

Meteorology

Physical geography

**Certificate of achievement**

Geographic information systems/Global positioning system

**Certificate of accomplishment**

Geographic information systems/Global positioning system

**Associate in arts in geography for transfer**

The associate in arts in geography for transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:
Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate's degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

Major Requirements:

- GEOG-120 Physical Geography .......................... 3
- GEOG-121 Physical Geography Laboratory ........... 1
- GEOG-130 Cultural Geography .......................... 3

plus at least 6 units from:

- GEOG-125 Introduction to Geographic Information Systems .............................................. 3
- GEOG-135 World Regional Geography ..................... 3
- GEOG-140 Introduction to Weather ......................... 3
- GEOG-162 Maps and Cartography .......................... 3

plus at least 6 units from:

any course not used above or:

- ANTHR-160 Cultural Anthropology .......................... 3
- GEOL-120 Physical Geology ................................ 3

total minimum required units 19

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.
Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate's degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

**Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM-120</td>
<td>General College Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-121</td>
<td>General College Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>GEOL-120</td>
<td>Physical Geology</td>
<td>3</td>
</tr>
<tr>
<td>GEOL-121</td>
<td>Earth and Life through Time</td>
<td>3</td>
</tr>
<tr>
<td>GEOL-122</td>
<td>Physical Geology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GEOL-124</td>
<td>Earth and Life through Time Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MATH 192</td>
<td>Analytic Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 193</td>
<td>Analytic Geometry and Calculus II</td>
<td>5</td>
</tr>
</tbody>
</table>

**Total Minimum Required Units**: 28

---

**HEATING, VENTILATION, AIR CONDITIONING, REFRIGERATION – HVACR**

**Associate in Science Degree**

Heating, ventilation, air conditioning, and refrigeration

**Certificate of Achievement**

Heating, ventilation, air conditioning, and refrigeration

**Certificate of Accomplishment**

Heating, ventilation, air conditioning, and refrigeration

**Associate in Science Degree – Heating, ventilation, air conditioning, and refrigeration (HVACR)**

In collaboration with Plumbers-Steamfitters-Refrigeration Union Local 342 www.ua342.org, DVC currently offers three five-year apprenticeship programs: steamfitting, plumbing, and HVACR. Apprenticeship is training that is designed to prepare an individual for a career in the skilled crafts and trades. Apprentices develop technical skills, experience the sharing of assignments and see how technical tasks relate specifically with theoretical knowledge and interpretation. Apprentices earn a wage while learning. Enrollment in this program is restricted. You must be registered as an apprentice with the State of California to participate in the program and accepted into the apprenticeship program by our union partners.

While completing their HVACR apprenticeship, DVC students can earn awards at three levels of completion: a certificate of accomplishment, a certificate of achievement, and an associate in science degree. To earn a certificate of achievement, students must complete each course used to meet a major requirement with a "C" grade or higher and maintain an overall GPA of 2.5 or higher in the coursework required for the certificate. The courses required for the certificate of achievement also meet some of the requirements of the major.

**Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVACR-110</td>
<td>Beginning Electrical Theory</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-111</td>
<td>Mechanical Refrigeration Theory</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-112</td>
<td>Advanced Electrical Theory/Beginning</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-113</td>
<td>The Refrigeration Cycle</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-114</td>
<td>Intermediate Electrical II</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-115</td>
<td>Intermediate Mechanical Refrigeration I</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-116</td>
<td>Intermediate Electrical II</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-117</td>
<td>Intermediate Mechanical Refrigeration I</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-118</td>
<td>Electrical Troubleshooting I</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-119</td>
<td>Electrical Troubleshooting II</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-120</td>
<td>Introduction to Direct Digital Controls</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-121</td>
<td>Introduction to Variable Frequency Drives</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-122</td>
<td>Introduction to Market Refrigeration Systems</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-123</td>
<td>Introduction to Pneumatic Controls</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-124</td>
<td>Introduction to Boilers</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-125</td>
<td>Advanced Compressor and Motor Theory</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-126</td>
<td>Start Test Balance: Water Side I</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-127</td>
<td>Start Test Balance: Water Side I</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-128</td>
<td>Start Test Balance: Water Side II</td>
<td>2</td>
</tr>
<tr>
<td>HVACR-129</td>
<td>Start Test Balance: Air Side I</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Minimum Required Units**: 40

---

**Certificate of Achievement - Heating, ventilation, air conditioning and refrigeration (HVACR)**

In collaboration with Plumbers-Steamfitters-Refrigeration Union Local 342 www.ua342.org, DVC currently offers three five-year apprenticeship programs: steamfitting, plumbing, and HVACR. Apprenticeship is training that is designed to prepare an individual for a career in the skilled crafts and trades. Apprentices develop technical skills, experience the sharing of assignments and see how technical tasks relate specifically with theoretical knowledge and interpretation. Apprentices earn a wage while learning. Enrollment in this program is restricted. You must be registered as an apprentice with the State of California to participate in the program and accepted into the apprenticeship program by our union partners.

While completing their HVACR apprenticeship, DVC students can earn awards at three levels of completion: a certificate of accomplishment, a certificate of achievement, and an associate in science degree. To earn a certificate of achievement, students must complete each course used to meet a major requirement with a "C" grade or higher and maintain an overall GPA of 2.5 or higher in the coursework required for the certificate. The courses required for the certificate of achievement also meet some of the requirements of the major for the associate in science degree.

---

*Underline = addition*  
*Strikeout = deletion*
required courses

complete at least 28 units from:

HVACR-112  Advanced Electrical Theory/Beginning ........................ 2
HVACR-113  The Refrigeration Cycle ........................................ 2
HVACR-114  Intermediate Electrical I ........................................ 2
HVACR-115  Intermediate Mechanical Refrigeration I .................... 2
HVACR-116  Intermediate Electrical II ........................................ 2
HVACR-117  Intermediate Mechanical Refrigeration II ................... 2
HVACR-118  Electrical Troubleshooting II ................................... 2
HVACR-119  Electrical Troubleshooting II ................................... 2
HVACR-120  Introduction to Direct Digital Controls .................... 2
HVACR-121  Introduction to Variable Frequency Drives ............ 2
HVACR-122  Introduction to Market Refrigeration Systems ....... 2
HVACR-123  Introduction to Pneumatic Controls ....................... 2
HVACR-124  Introduction to Boilers ........................................ 2
HVACR-125  Advanced Compressor and Motor Theory ............... 2
HVACR-126  Start Test Balance: Water Side I .......................... 2
HVACR-127  Start Test Balance: Air Side I ............................... 2
HVACR-128  Start Test Balance: Water Side II ......................... 2
HVACR-129  Start Test Balance: Air Side II ............................. 2

total minimum required units 28

Certificate of accomplishment – Heating, ventilation, air conditioning and refrigeration (HVACR)

In collaboration with Plumbers-Steamfitters-Refrigeration Union Local 342 www.ua342.org, DVC currently offers three five-year apprenticeship programs: steamfitting, plumbing, and HVACR. Apprenticeship is training that is designed to prepare an individual for a career in the skilled crafts and trades. Apprentices develop technical skills, experience the sharing of assignments and see how technical tasks relate specifically with theoretical knowledge and interpretation. Apprentices earn a wage while learning. Enrollment in this program is restricted. You must be registered as an apprentice with the State of California to participate in the program and accepted into the apprenticeship program by our union partners.

While completing their HVACR apprenticeship, DVC students can earn awards at three levels of completion: a certificate of accomplishment, a certificate of achievement, and an associate in science degree. To earn a certificate of accomplishment, students must complete five out of seven core courses. Students must complete each course used to meet a major requirement with a “C” grade or higher and maintain an overall GPA of 2.5 or higher in the coursework required for the certificate. The courses required for the certificate of accomplishment also meet some of the requirements of the certificate of achievement and major for the associate in science degree.

required courses

complete at least 10 units from:

HVACR-110  Beginning Electrical Theory ................................... 2
HVACR-111  Mechanical Refrigeration Theory ......................... 2
HVACR-112  Advanced Electrical Theory/Beginning ................... 2
HVACR-113  The Refrigeration Cycle ........................................ 2
HVACR-114  Intermediate Electrical I ....................................... 2
HVACR-115  Intermediate Mechanical Refrigeration I ................ 2
HVACR-116  Intermediate Electrical II ....................................... 2

total minimum required units 10

HISTORY – HIST

Associate in arts for transfer

History

The associate in arts in history for transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate’s degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.
In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate’s degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

### JOURNALISM – JRNAL

#### Associate in arts for transfer

**Journalism**

#### Associate in arts in journalism for transfer

The journalism program prepares students in the writing, reporting and critical thinking skills required for jobs in the news media and for transfer to a journalism program at a four-year institution. Career options include copy editor, script writer, broadcast journalist, news reporter, magazine writer, columnist, public information officer, online writer, freelance writer, advertising copy writer, editor and photojournalist. Some career options may require more than two years of college study.

The associate in arts in journalism for transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

---

### Major requirements

- HIST-120 History of the US before 1877
- HIST-121 History of the US after 1877
- HIST-140 History of Western Civilization to the Renaissance
- HIST-141 History of Western Civilization since the Renaissance

plus at least 3 units from:

- HIST-124 History of California
- HIST-125 History of the United States: A Mexican American Perspective
- HIST-126 The American West
- HIST-127 African American Perspective History of the US to 1865
- HIST-128 African American Perspective History of the US after 1865
- HIST-135 History of Latin America-The Colonial Period
- HIST-136 History of Latin America-The National Period
- HIST-150 History of East Asia to 1600
- HIST-151 History of East Asia from 1600- Present
- HIST-170 History of Women in the United States
- HIST-171 History of Women in the United States (Pre-Colonial-1877) (1877-Present)

plus at least 3 units from:

- HIST-122 Critical Reasoning in History
- HIST-160 British Life and Culture

**Total minimum required units**: 18

---

### JOURNALISM – JRNAL

#### Associate in arts for transfer

- JRNAL-110 Mass Media of Communications
- JRNAL-120 Newswriting Techniques
- JRNAL-126 News Production Laboratory
- JRNAL-127 News Production Laboratory II

plus at least 6 units from:

- ART-160 Photography I
- BUS-240 Business Statistics
- MATH-142 Elementary Statistics with Probability
- COMM-123 Argumentation and Debate
- ENGL-126 Critical Thinking: The Shaping of Meaning in Language
- ECON-220 Principles of Macroeconomics
- ECON-221 Principles of Microeconomics
- POLSC-121 Introduction to United States Government
- POLSC-220 Comparative Politics

**Total minimum required units**: 18

---

**Diablo Valley College catalog addendum 2013-2014 - New degrees and certificates**

---

24 DIABLO VALLEY COLLEGE CATALOG ADDENDUM 2013-2014
MUSIC – MUSIC

Associate in arts degrees
Music
Music industry studies

Associate in arts for transfer
Music

Certificate of achievement
Music industry studies

Associate in arts in music for transfer

The associate in arts in music for transfer major at Diablo Valley College (DVC) offers students the opportunity to attain the basic skills and knowledge needed as preparation for careers in music and further undergraduate study. Required courses include applied music, theory and musicianship, and large ensemble. The choice of large ensemble performance and choice of voice or specific instrument in applied music enables the student to customize his/her own needs and/or special interests. This degree provides students with the foundations for a broad range of musical specializations such as instrumental performance, vocal performance, jazz performance, composition, theory, musicology, ethnomusicology, music education, and music industry. Music faculty and staff are dedicated to assisting students in exploring performance and teaching opportunities, and transfer to baccalaureate programs in music.

The associate in arts in music for transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate’s degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

major requirements:
MUSIC-100 Applied Music............................................. 1.5*
MUSIC-122 Theory and Musicianship I.................................. 4
MUSIC-123 Theory and Musicianship II.................................. 4
MUSIC-222 Theory and Musicianship III.................................. 4
MUSIC-223 Theory and Musicianship IV.................................. 4

plus at least 1 units from:
MUSIC-135 Vocal Jazz Ensemble........................................ 1
MUSIC-136 Jazz Ensemble.................................................. 1
MUSIC-140 Wind Ensemble............................................... 1
MUSIC-162 Concert Choir................................................. 1
MUSIC-166 Chamber Singers............................................. 1
MUSIC-140 Wind Ensemble............................................... 1
MUSIC-290 DVC Philharmonic Orchestra................................. 1

<table>
<thead>
<tr>
<th>total units for the major</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
</tr>
</tbody>
</table>

*must be taken 4 times (total 6 units)

PHYSICS – PHYS

Associate in science for transfer
Physics

Associate in science in physics for transfer

The associate in science in physics for transfer is intended for students who plan to complete a bachelor’s degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.
- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.
Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate's degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

**major requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH-192</td>
<td>Analytic Geometry and Calculus I</td>
<td>5</td>
</tr>
<tr>
<td>MATH-193</td>
<td>Analytic Geometry and Calculus II</td>
<td>5</td>
</tr>
<tr>
<td>MATH-292</td>
<td>Analytic Geometry and Calculus III</td>
<td>5</td>
</tr>
<tr>
<td>PHYS-130</td>
<td>Physics for Scientists and Engineers A</td>
<td></td>
</tr>
<tr>
<td>PHYS-230</td>
<td>Mechanics and Wave Motion</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-231</td>
<td>Physics for Scientists and Engineers B</td>
<td>4</td>
</tr>
<tr>
<td>PHYS-231C</td>
<td>Physics for Scientists and Engineers C</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Optics and Modern Physics</td>
<td>4</td>
</tr>
</tbody>
</table>

**total minimum required units** 27

---

**POLITICAL SCIENCE – POLSCI**

**Associate in arts degree**

Political science

**Associate in arts for transfer**

Political science

**Associate in arts in political science for transfer**

Political science courses offer insight into events at the local, state, national and international level. Students develop critical thinking and other useful skills for a broad range of careers including education, public service and law. Most career options require more than two years of college study.

The associate in arts in political science for transfer is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major.

In order to earn the degree, students must:

- Complete 60 semester CSU-transferable units.
- Complete the California State University-General Education-Breadth pattern (CSU GE-Breadth): OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

---

**Discussion**

- Complete a minimum of 18 semester units in the major.
- Obtain a minimum grade point average (GPA) of 2.0.
- Earn a grade of “C” or higher in all courses required for the major. Students may not select a pass/no pass option for courses in the major.

Students transferring to a CSU campus that accepts the degree will be required to complete no more than 60 units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system, or those students who do not intend to transfer.

Some courses in the major satisfy both major and CSUGE/IGETC general education requirements; however, the units are only counted once toward the 60 unit requirement for an associate's degree. Some variations in requirements may exist at certain four-year institutions; therefore, students who intend to transfer are advised to refer to the catalog of the prospective transfer institution and consult a counselor.

**major requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLSC-121</td>
<td>Introduction to U.S. Government</td>
<td>3</td>
</tr>
<tr>
<td>plus at least 9 units from:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS-240</td>
<td>Business Statistics</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td>MATH-142 Elementary Statistics with Probability</td>
<td>4</td>
</tr>
<tr>
<td>POLSC-120</td>
<td>Introduction to Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLSC-220</td>
<td>Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLSC-240</td>
<td>Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>POLSC-250</td>
<td>International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

**plus at least 6 units from:**

any course not used above or:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTHR-130</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ECON-220</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON-221</td>
<td>Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>HIST-140</td>
<td>History of Western Civilization to the</td>
<td>3</td>
</tr>
<tr>
<td>Renaissance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST-141</td>
<td>History of Western Civilization since the</td>
<td>3</td>
</tr>
<tr>
<td>Renaissance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLSC-151</td>
<td>California Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

**total minimum required units** 18-19
Limitations on enrollment

Effective fall term 2013, changes to the regulations that govern community college enrollments place limitations on the number of courses that students may take in certain disciplines within the Contra Costa Community College District. The information below indicates which Diablo Valley College (DVC) courses are assigned to groups of courses ("families") for which limitations have been imposed. Certain courses within certain “families” may be repeated (see catalog description). however, students are limited to four enrollments within the family. Certain DVC courses are equivalent to courses at Los Medanos College and Contra Costa College. An enrollment in an equivalent course at one of those colleges will count toward the allowable four enrollments within the family.

NOTE: Diablo Valley College may offer Experimental or Topics courses. When appropriate, based on content, such courses will be assigned to a “family” and that enrollment will be counted as an enrollment within the “family”.

ART

Family: design
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .......................................................... .......................................................... units
ART-101  Fundamentals of Two-Dimensional Design .......................................................... 3
ART-102  Fundamentals of Three-Dimensional Design .......................................................... 3
ART-125  Color Theory and its Application to 2-D Media .......................................................... 3

Family: drawing
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .......................................................... .......................................................... units
ART-105  Drawing I. .......................................................... .......................................................... 3
ART-106  Drawing II .......................................................... .......................................................... 3
ART-107  Figure Drawing I .......................................................... .......................................................... 3
ART-108  Figure Drawing II .......................................................... .......................................................... 3

Family: printmaking
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .......................................................... .......................................................... units
ART-109  Printmaking: Monotype .......................................................... .......................................................... 3
ART-110  Introduction to Printmaking .......................................................... .......................................................... 3
ART-111  Printmaking: Etching I .......................................................... .......................................................... 3
ART-112  Printmaking: Etching II .......................................................... .......................................................... 3
ART-114  Printmaking: Woodblock .......................................................... .......................................................... 3
ART-116  Printmaking: Stencil and Screen Print .......................................................... .......................................................... 3

Family: painting
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .......................................................... .......................................................... units
ART-120  Watercolor I .......................................................... .......................................................... 3
ART-120A  Introduction to Watercolor .......................................................... .......................................................... 3
ART-120B  Watercolor Workshop .......................................................... .......................................................... 3
ART-121  Watercolor II .......................................................... .......................................................... 3
ART-126  Painting I; Introduction to Painting .......................................................... .......................................................... 3
ART-126A  Introduction to Oil/Acrylic Painting A .......................................................... .......................................................... 3
ART-126B  Introduction to Oil/Acrylic Painting B .......................................................... .......................................................... 3
ART-127  Painting II; Intermediate Painting .......................................................... .......................................................... 3
ART-128  Painting III; Studio Practice and Theme Development .......................................................... .......................................................... 3
ART-129  Advanced Painting .......................................................... .......................................................... 3
SCULPTURE

Family: sculpture
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ........................................................................................................ units
ART-138  Sculpture I ................................................................. 3
ART-139  Sculpture II ............................................................... 3
ART-142  Metal Art I ................................................................. 3
ART-143  Metal Art II ............................................................... 3

METAL ART

Family: metal/jewelry
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ........................................................................................................ units
ART-144  Metal Casting Techniques I ........................................... 3
ART-145  Metal Casting Techniques II ......................................... 3
ART-146  Metalsmithing and Jewelry I ......................................... 3
ART-147  Metalsmithing and Jewelry II ......................................... 3

Family: ceramics – wheel thrown
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ........................................................................................................ units
ART-152  Wheel Thrown Ceramic Art ......................................... 3
ART-153  Wheel Thrown Ceramic Art II ....................................... 3

Family: ceramics – hand built
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ........................................................................................................ units
ART-151  Visual Theory and Practice: Ceramic Art ..................... 3
ART-154  Hand Built-Ceramic Art ............................................... 3
ART-155  The Art of Ceramic Sculpture ......................................... 3
ART-156  Figurative Ceramic Art .................................................. 3

Family: photography
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ........................................................................................................ units
ART-160  Photography I .............................................................. 3
ART-161  Photography II ............................................................ 3
ART-162  Photography III ............................................................ 3
ART-163  Documentary Photography ........................................... 3
ART-265  Advanced Photography Workshop ................................ 3

DANCE

Family: ballet
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ........................................................................................................ units
KNDAN-110A  Ballet Fundamentals I ......................................... 0.5-2
KNDAN-110B  Ballet Fundamentals II .......................................... 0.5-2
DANCE-212  Ballet I ................................................................. 1
DANCE-213  Ballet II ................................................................. 1
DANCE-214  Ballet III ............................................................... 1
DANCE-216  Pointe Technique ..................................................... 1
Family: jazz
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course                      units
KNDAN-120A  Jazz Dance Fundamentals I ................................................................. 0.5-2
KNDAN-120B  Jazz Dance Fundamentals II ............................................................... 0.5-2
DANCE-222    Jazz Dance I ..................................................................................... 1
DANCE-223    Jazz Dance II .................................................................................... 1
DANCE-224    Jazz Dance III ................................................................................... 1

Family: modern
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course                      units
KNDAN-130A  Modern Dance Fundamentals I ............................................................ 0.5-2
KNDAN-130B  Modern Dance Fundamentals II ......................................................... 0.5-2
DANCE-232    Jazz Dance I ..................................................................................... 1
DANCE-233    Jazz Dance II .................................................................................... 1
DANCE-234    Jazz Dance III ................................................................................... 1

Family: international standard
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course                      units
KNDAN-164A  Beginning Ballroom/Social Dance ...................................................... 0.5-2
KNDAN-166    Swing Dance ................................................................................... 0.5-2

Family: international Latin
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course                      units
KNDAN-168A  Beginning Salsa and Latin Dance ....................................................... 0.5-2
KNDAN-168B  Intermediate Salsa and Latin Dance .................................................. 0.5-2

Family: tap
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course                      units
KNDAN-160A  Beginning Tap Dance ......................................................................... 0.5-2
KNDAN-160B  Intermediate Tap Dance ..................................................................... 0.5-2

Family: world
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course                      units
KNDAN-155    World Dance Topics .......................................................................... 0.5-2

Family: performance
Students are limited to four enrollments in this family within the Contra Costa Community College District.

course                      units
DANCE-242  Repertory Dance Production ................................................................. 1.5
DANCE-243  Repertory Dance Production – Tech Week .......................................... 0.5
DANCE-246  Dance Production ................................................................................ 1.5
DANCE-247  Dance Production – Tech Week ............................................................ 0.5

strike-through = deletion    underline = addition
Family: specialization/topics

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
KNDAN-162 Broadway Dance ................................................................. 0.5-2
KNDAN-100 Introduction to Dance ................................................................. 0.5-2

DRAMA

Family: acting

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
DRAMA-122 Basic Principles of Acting ................................................................. 3
DRAMA-123 Intermediate Principles of Acting ................................................................. 3
DRAMA-124 Basic Principles of Acting ................................................................. 0.5-2

Family: audition/film

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
DRAMA-126 Acting on Camera ................................................................. 3
DRAMA-127 Audition Techniques ................................................................. 3

Family: directing

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
DRAMA-130 Principles of Directing ................................................................. 3
DRAMA-230 Directing Projects ................................................................. 3

Family: musical theater

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
DRAMA-150 Children's Theater ................................................................. 3
DRAMA-170 Introduction to Musical Theater ................................................................. 3

Family: non-musical performance

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
DRAMA-230 Acting in Student Directed Projects ................................................................. 3
DRAMA-270 Major Production ................................................................. 3

Family: musical performance

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
DRAMA-275 Musical Theater Production ................................................................. 3

Family: production-technical theater

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
DRAMA-202 Musical Theater Production ................................................................. 3
### KINESIOLOGY

**Family: swimming**

*Students are limited to four enrollments in this family within the Contra Costa Community College District.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNACT-100A</td>
<td>Beginning Swimming</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-100A</td>
<td>Intermediate Swimming</td>
<td>0.5-2</td>
</tr>
</tbody>
</table>

**Family: yoga**

*Students are limited to four enrollments in this family within the Contra Costa Community College District.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNACT-110A</td>
<td>Beginning Hatha Yoga</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-110B</td>
<td>Intermediate Hatha Yoga</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-110C</td>
<td>Advanced Hatha Yoga</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-114A</td>
<td>Beginning Stretch and Yoga for Sports</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-114B</td>
<td>Intermediate Stretch and Yoga for Sports</td>
<td>0.5-2</td>
</tr>
</tbody>
</table>

**Family: walking/jog**

*Students are limited to four enrollments in this family within the Contra Costa Community College District.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNACT-130A</td>
<td>Beginning Fitness Walking</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-130B</td>
<td>Intermediate Fitness Walking</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-132</td>
<td>Hiking</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-134A</td>
<td>Beginning Fitness Jogging</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-134B</td>
<td>Intermediate Fitness Jogging</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-136</td>
<td>Distance Track Training</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-138</td>
<td>Introduction to Triathlon Training</td>
<td>0.5-2</td>
</tr>
</tbody>
</table>

**Family: aerobics**

*Students are limited to four enrollments in this family within the Contra Costa Community College District.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNACT-102A</td>
<td>Beginning Aquatic Fitness</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-102B</td>
<td>Intermediate Aquatic Fitness</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-104</td>
<td>Water Aerobics</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-126</td>
<td>Aerobics/Step Aerobics</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-128A</td>
<td>Beginning Cardio Kickboxing</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-128B</td>
<td>Intermediate Cardio Kickboxing</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-140</td>
<td>Stationary Cycling</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-144A</td>
<td>Beginning Super Circuit</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-144B</td>
<td>Intermediate Super Circuit</td>
<td>0.5-2</td>
</tr>
</tbody>
</table>

**Family: core**

*Students are limited to four enrollments in this family within the Contra Costa Community College District.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>KNACT-122A</td>
<td>Beginning Body Sculpt</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-122B</td>
<td>Intermediate Body Sculpt</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-124A</td>
<td>Beginning Hips, Thighs and Abs</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNACT-124B</td>
<td>Intermediate Hips, Thighs and Abs</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNDAN-105A</td>
<td>Beginning Pilates Mat Work</td>
<td>0.5-2</td>
</tr>
<tr>
<td>KNDAN-105B</td>
<td>Intermediate Pilates Mat Work</td>
<td>0.5-2</td>
</tr>
</tbody>
</table>

**Family: course**

*Students are limited to four enrollments in this family within the Contra Costa Community College District.*

*Students are limited to four enrollments in this family within the Contra Costa Community College District.*
Family: sport specific conditioning

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course  
KNACT-195A  Beginning Plyometrics and Agility Training for Female Athletes  ........................................ 0.5-2  
KNACT-195B  Intermediate Polymetrics and Agility Training for Female Athletes  ........................................ 0.5-2  
KNACT-122B  Intermediate Body Sculpt  ........................................................................................................... 0.5-2  
KNACT-120  Physical Fitness  ............................................................................................................................ 0.5-2  

Family: resistance

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course  
KNACT-146A  Theory and Practice of Strength Training and Fitness I  .............................................................. 0.5-2  
KNACT-146B  Theory and Practice of Strength Training and Fitness II  ......................................................... 0.5-2  
KNACT-146C  Theory and Practice of Strength Training and Fitness III  ......................................................... 0.5-2  
KNACT-146D  Theory and Practice of Strength Training and Fitness IV  ......................................................... 0.5-2  
KNACT-146A  Beginning Power Lifting  ................................................................................................................ 0.5-2  
KNACT-146B  Intermediate Power Lifting  .......................................................................................................... 0.5-2  

Family: combatives

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course  
KNCMB-110  Self-Defense  .................................................................................................................................... 0.5-2  
KNCMB-114  Jujitsu  ............................................................................................................................................ 0.5-2  
KNCMB-118A  Beginning Taekwondo  ............................................................................................................... 0.5-2  
KNCMB-126A  Beginning Aikido  ....................................................................................................................... 0.5-2  
KNCMB-126B  Intermediate Aikido  .................................................................................................................. 0.5-2  
KNCMB-128  Aikido Weapons-Jo and Bokken  ................................................................................................. 0.5-2  
KNCMB-130  Judo  ............................................................................................................................................. 0.5-2  
KNCMB-134  Karate  .......................................................................................................................................... 0.5-2  
KNCMB-150  Topics in Martial Arts and Combatives  .................................................................................... 0.5-2  

Family: golf

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course  
KNACT-164A  Beginning Golf  ............................................................................................................................ 0.5-2  
KNACT-164B  Intermediate Golf  ........................................................................................................................... 0.5-2  

Family: tennis

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course  
KNACT-166  Tennis  ............................................................................................................................................ 0.5-2  

Family: badminton

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course  
KNACT-160A  Beginning Badminton  .................................................................................................................... 0.5-2  
KNACT-160B  Intermediate Badminton  ............................................................................................................. 0.5-2  

Underline = addition  
Strikethrough = deletion
Family: bowling

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .................................................................................. units
KNACT-162 Bowling ........................................................................ 0.5-2

Family: Basketball

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .................................................................................. units
KNACT-170A Beginning Basketball ........................................................................ 0.5-2
KNACT-170B Intermediate Basketball ........................................................................ 0.5-2

Family: football

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .................................................................................. units
KNACT-172 Flag Football ........................................................................ 0.5-2

Family: lacrosse

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .................................................................................. units
KNACT-174A Beginning Men’s Lacrosse ........................................................................ 0.5-2

Family: soccer

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .................................................................................. units
KNACT-176A Beginning Soccer ........................................................................ 0.5-2
KNACT-176B Intermediate Soccer ........................................................................ 0.5-2
KNACT-178 Indoor Soccer ........................................................................ 0.5-2

Family: Volleyball

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .................................................................................. units
KNACT-182A Beginning Volleyball ........................................................................ 0.5-2
KNACT-182B Intermediate Volleyball ........................................................................ 0.5-2
KNACT-182C Advanced Volleyball ........................................................................ 0.5-2

MUSIC

Family: music

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .................................................................................. units
MUSIC-100 Applied Music ........................................................................ 1.5

Family: repertoire /literature

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course .................................................................................. units
MUSIC-255 Piano Repertoire and Performance ........................................................................ 1.5

strikethrough = deletion    underline = addition
Family: piano
Students are limited to four enrollments in this family within the Contra Costa Community College District.
course ..............................................................  
MUSIC-150 Beginning Piano I ................................................................. 1
MUSIC-151 Beginning Piano II ................................................................. 1
MUSIC-250 Piano Technique and Interpretation ........................................ 1

Family: classical guitar
Students are limited to four enrollments in this family within the Contra Costa Community College District.
course ..............................................................  
MUSIC-101 Beginning Guitar ................................................................. 1
MUSIC-102 Intermediate Guitar .............................................................. 1

Family: solo improvisation
Students are limited to four enrollments in this family within the Contra Costa Community College District.
course ..............................................................  
MUSIC-127 Jazz Theory and Improvisation ........................................... 0.5-1
MUSIC-152 Jazz Piano ............................................................................ 1
MUSIC-171 Jazz and Popular Solo Voice .............................................. 1

Family: pedagogy
Students are limited to four enrollments in this family within the Contra Costa Community College District.
course ..............................................................  
MUSIC-256 Pedagogy for Studio Teachers ............................................ 1

Family: vocal group study
Students are limited to four enrollments in this family within the Contra Costa Community College District.
course ..............................................................  
MUSIC-170 Applied Voice Training ....................................................... 1
MUSIC-179 Intermediate Voice Training ............................................... 1

Family: instrumental group study
Students are limited to four enrollments in this family within the Contra Costa Community College District.
course ..............................................................  
MUSIC-154 Beginning Woodwind Instruments ....................................... 1
MUSIC-155 Beginning Brass Instruments ............................................. 1
MUSIC-156 Beginning String Instruments ............................................ 1
MUSIC-157 Beginning Percussion Instruments ..................................... 1

Family: classical large ensembles - orchestra
Students are limited to four enrollments in this family within the Contra Costa Community College District.
course ..............................................................  
MUSIC-180 Masterworks Chorale ......................................................... 1
MUSIC-290 DVC Philharmonic Orchestra ............................................. 1

Family: classical large ensembles - choir
Students are limited to four enrollments in this family within the Contra Costa Community College District.
course ..............................................................  
MUSIC-162 Concert Choir ................................................................... 1
Family: classical large ensembles – wind, brass, and percussion

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
MUSIC-139 Marching Band Techniques................................................................. 1
MUSIC-240 Symphonic Band............................................................................... 1

Family: classical chamber ensembles

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
MUSIC-103 Guitar Ensemble................................................................................. 1
MUSIC-104 Advanced Guitar Ensemble............................................................... 1
MUSIC-140 Wind Ensemble.................................................................................... 1
MUSIC-142 Woodwind Ensemble......................................................................... 1
MUSIC-144 Brass Ensemble................................................................................... 1
MUSIC-166 Chamber Singers................................................................................ 1
MUSIC-168 Percussion Ensemble.......................................................................... 1
MUSIC-176 String Ensemble.................................................................................. 1
MUSIC-252 Piano Ensemble.................................................................................. 1

Family: large ensembles – jazz, pop, rock

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
MUSIC-136 Jazz Ensemble..................................................................................... 1
MUSIC-236 Night Jazz Band.................................................................................. 1

Family: ensembles – jazz, pop, rock

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
MUSIC-105 Blues, Rock and R&B......................................................................... 1
MUSIC-106 Country, Funk and Soul..................................................................... 1
MUSIC-130 Jazz Workshop.................................................................................... 1
MUSIC-135 Vocal Jazz Ensemble.......................................................................... 1
MUSIC-137 Jazz Combos...................................................................................... 1

Family: musical theater

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
MUSIC-134 Musical Theater Workshop................................................................ 1

Family: performance

Students are limited to four enrollments in this family within the Contra Costa Community College District.

course ................................................................. units
MUSIC-107 Live Popular Concert Performance.................................................... 1